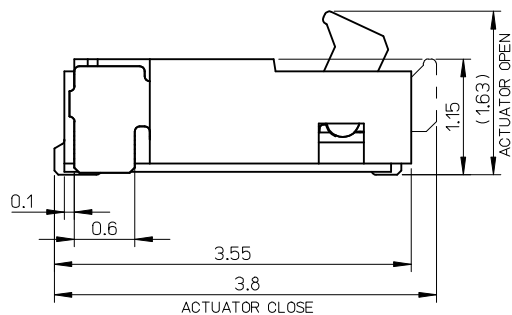
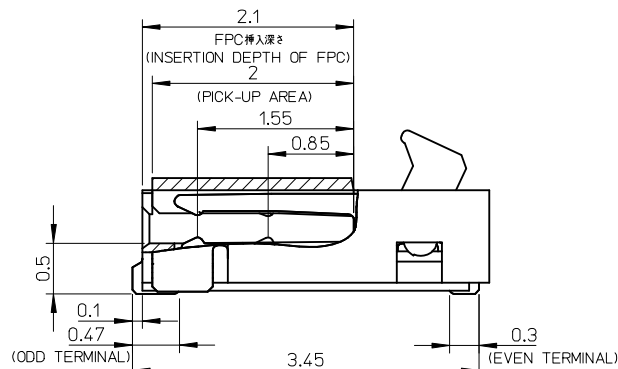
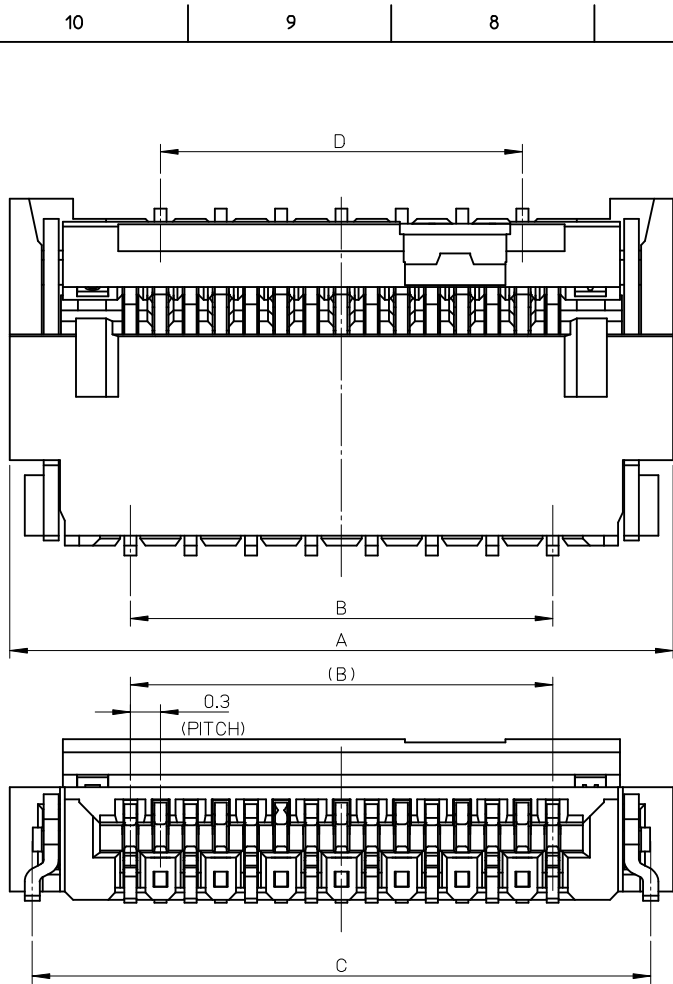




#### 注記 NOTES:

##### 1.材質 MATERIAL

ハウジング: LCP(液晶ポリマー)、白色、ガラス充填、UL94V-0  
HOUSING: LIQUID CRYSTAL POLYMER, WHITE (NATURAL)  
GLASS FILLED, UL94V-0  
アクチュエータ: ポリアミド樹脂  
黒色、ガラス充填、UL94HB

ACTUATOR: POLYAMIDE  
BLACK GLASS FILLED, UL94HB

ターミナル: 焼青銅 (t=0.12)  
TERMINAL: PHOSPHOR BRONZE (t=0.12)

金具: 焼青銅 (t=0.15)  
NAIL: PHOSPHOR BRONZE (t=0.15)

##### 2.めっき仕様 PLATING

ターミナル TERMINAL

接点部: 金めっき 0.1μm以上  
CONTACT AREA: GOLD 0.1 MICROMETER MINIMUM

半田付け部: 金めっき  
SOLDER TAIL AREA: GOLD

下地めっき: ニッケル 1.0μm以上  
UNDER PLATING: NICKEL 1.0 MICROMETER MINIMUM

金具 NAIL

錫めっき 1.0μm以上  
TIN PLATING 1.0 MICROMETER MINIMUM

下地めっき: ニッケル 1.0μm以上  
UNDER PLATING: NICKEL 1.0 MICROMETER MINIMUM

##### 3.平坦度は、0.1ミリ以下とする。

TAILS COPLANARITY TO BE 0.1 MAXIMUM.

##### 4.ELV及びRoHS適合品

ELV AND RoHS COMPLIANT

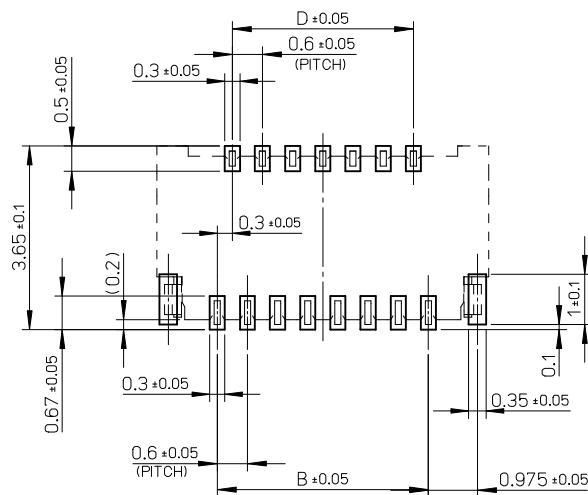
##### 5.本製品は502598-\*\*-91の端子材料変更品である。

THIS PRODUCT IS CHANGE OF TERMINAL MATERIAL  
FOR 502598-\*\*-91.

|                     |      |       |      |      |                                      |                |
|---------------------|------|-------|------|------|--------------------------------------|----------------|
| 0.125               | 14.4 | 16.95 | 15   | 17.4 | 502598-5193                          | 51             |
| 0.112               | 12.6 | 15.15 | 13.2 | 15.6 | 502598-4593                          | 45             |
| 0.105               | 11.4 | 13.95 | 12.0 | 14.4 | 502598-4193                          | 41             |
| 0.098               | 10.8 | 13.35 | 11.4 | 13.8 | 502598-3993                          | 39             |
| 0.085               | 9    | 11.55 | 9.6  | 12   | 502598-3393                          | 33             |
| 0.077               | 7.8  | 10.35 | 8.4  | 10.8 | 502598-2993                          | 29             |
| 0.072               | 7.2  | 9.75  | 7.8  | 10.2 | 502598-2793                          | 27             |
| 0.068               | 6.6  | 9.15  | 7.2  | 9.6  | 502598-2593                          | 25             |
| 0.063               | 6    | 8.55  | 6.6  | 9    | 502598-2393                          | 23             |
| 0.048               | 4.2  | 6.75  | 4.8  | 7.2  | 502598-1793                          | 17             |
| 0.043               | 3.6  | 6.15  | 4.2  | 6.6  | 502598-1593                          | 15             |
| 重さ (g)<br>WEIGHT(g) | D    | C     | B    | A    | EMBOSSED PACKAGE<br>オーダー番号 ORDER NO. | 極数<br>CIRCUITS |

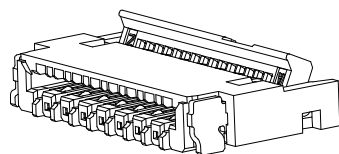
CONNECTOR SERIES NO. 502598-\*\*-21

|                                                                                                                             |                                                            |                                          |           |                            |                                                                                                                                  |                                                  |                        |                           |  |  |
|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------|-----------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------|---------------------------|--|--|
| REVISED<br>EC NO: J2014-0146<br>DRAWN: KAGUMO<br>CHKD: TAKAHASHI<br>APPR: YNOGAWA<br>2013/07/25<br>2013/08/30<br>2013/08/28 | DESCRIPTION                                                | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |           | DIMENSION STYLE<br>MM ONLY |                                                                                                                                  | SCALE<br>---                                     | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  |  |
|                                                                                                                             |                                                            | 10 UNDER                                 | ± 0.2     | KMIYAHARA                  | 2012/07/18                                                                                                                       | TITLE<br>0.3 FPC CONN. BACK FLIP<br>HOUSING ASSY |                        |                           |  |  |
|                                                                                                                             |                                                            | 10 OVER 30 UNDER                         | ± 0.25    | KTAKAHASHI                 | 2012/07/18                                                                                                                       |                                                  |                        |                           |  |  |
|                                                                                                                             |                                                            | 30 OVER                                  | ± 0.3     | KMORIKAWA                  | 2012/08/01                                                                                                                       | molex                                            |                        |                           |  |  |
|                                                                                                                             |                                                            | ANGULAR ±1 °                             |           | MATERIAL NO.               |                                                                                                                                  |                                                  |                        |                           |  |  |
|                                                                                                                             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                          | SEE TABLE |                            | SD-502598-003                                                                                                                    |                                                  |                        | 1 OF 2                    |  |  |
| REV                                                                                                                         |                                                            |                                          |           | SIZE<br>A3                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                  |                        |                           |  |  |

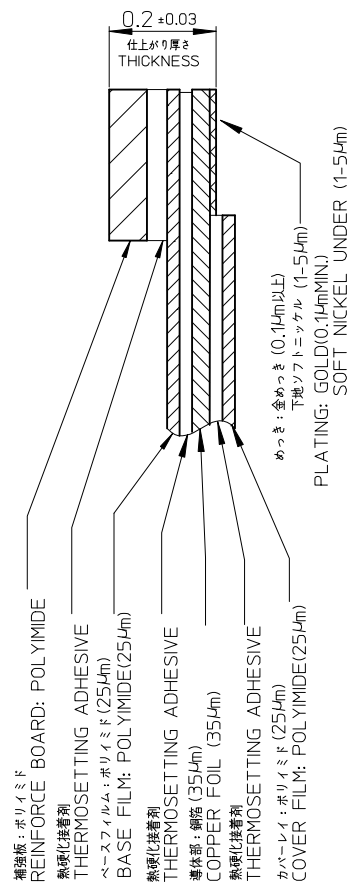


RECOMMENDED P.W.B. PATTERN LAYOUT

マスク厚: 100  $\mu$ m  
マスク開口率: 100%  
SCREEN THICKNESS: 100  $\mu$ m  
SCREEN OPEN RATIO: 100%



ISO VIEW (参考)

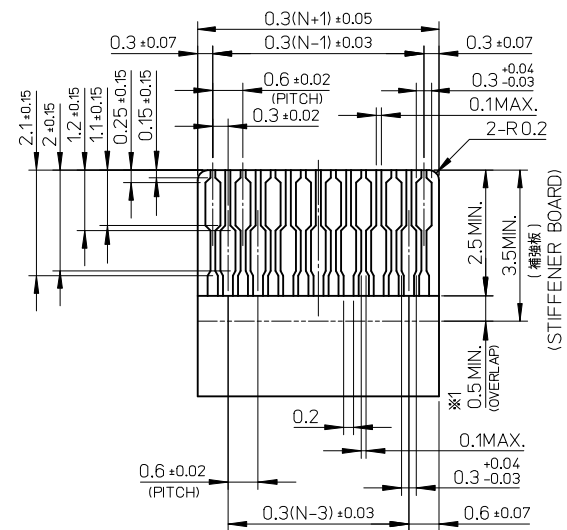


FPC構成推奨仕様

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STRUCTURE OF FPC



適合する金めっきFPC推奨寸法  
APPLICABLE FPC OF GOLD PATING  
RECOMMENDED DIMENSION

(仕上がり厚さ :  $0.2 \pm 0.03$ )  
(THICKNESS:  $0.2 \pm 0.03$ )

FPCについて:

抜き方向は、導体側から補強板側を推奨致します。

補強フィルム材質は、ポリイミドを推奨致します。

接着剤は熱硬化接着剤を推奨致します。

尚、接着剤の接点部への付着は導通不良の原因になりますので、

染み出しが無い様、お願い致します。

ABOUT FPC:

RECOMMENDED PUNCHER DIRECTION:

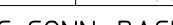
FROM CONDUCTOR SIDE TO STIFFNER FILM SIDE.

RECOMMENDED MATERIAL:

STIFFENER FILM : POLYIMIDE

BONDING AGENT : THERMOSETTING AGENT

PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON ADHEREND BECAUSE THERE IS A POSSIBILITY THAT THE EXTRA ADHESIVE CAUSES THE DEFECT IN ELECTRICAL CONTINUITY.

|                                                                                                                                  |             |                                                            |           |                            |                    |                                                                                       |                        |                                                                                                                 |  |
|----------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------|-----------|----------------------------|--------------------|---------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|--|
| REVISED<br>EC NO: J2014-0146<br>DRAWN: KAGUMO<br>CHK'D: K TAKAHASHI<br>APP'R: YNOGAWA                                            | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |           | DIMENSION STYLE<br>MM ONLY |                    | SCALE<br>---                                                                          | DESIGN UNITS<br>METRIC |  THIRD ANGLE<br>PROJECTION |  |
|                                                                                                                                  |             | 10 UNDER                                                   | ± 0.2     | DRAWN BY<br>KMIYAHARA      | DATE<br>2012/07/18 | TITLE<br>0.3 FPC CONN. BACK FLIP<br>HOUSING ASSY                                      |                        |                                                                                                                 |  |
|                                                                                                                                  |             | 10 OVER 30 UNDER                                           | ± 0.25    | CHECKED BY<br>KTAKAHASHI   | DATE<br>2012/07/18 |                                                                                       |                        |                                                                                                                 |  |
|                                                                                                                                  |             | 30 OVER                                                    | ± 0.3     | APPROVED BY<br>KMORIKAWA   | DATE<br>2012/08/01 |  |                        |                                                                                                                 |  |
|                                                                                                                                  |             | ANGULAR ±1 °                                               |           | MATERIAL NO.               |                    |                                                                                       |                        |                                                                                                                 |  |
|                                                                                                                                  | REV         | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | SEE TABLE |                            | SD-502598-003      |                                                                                       | 2 OF 2                 |                                                                                                                 |  |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |             |                                                            |           |                            |                    |                                                                                       |                        |                                                                                                                 |  |

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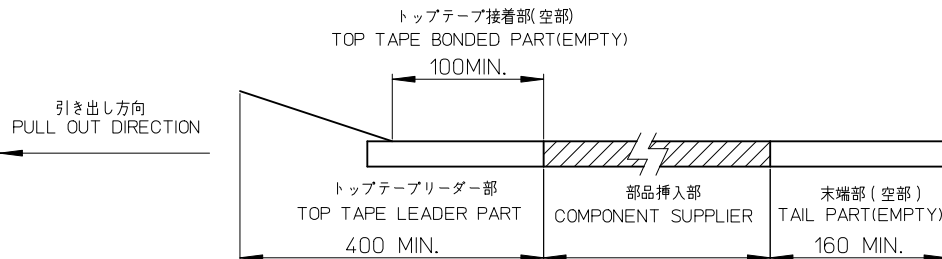
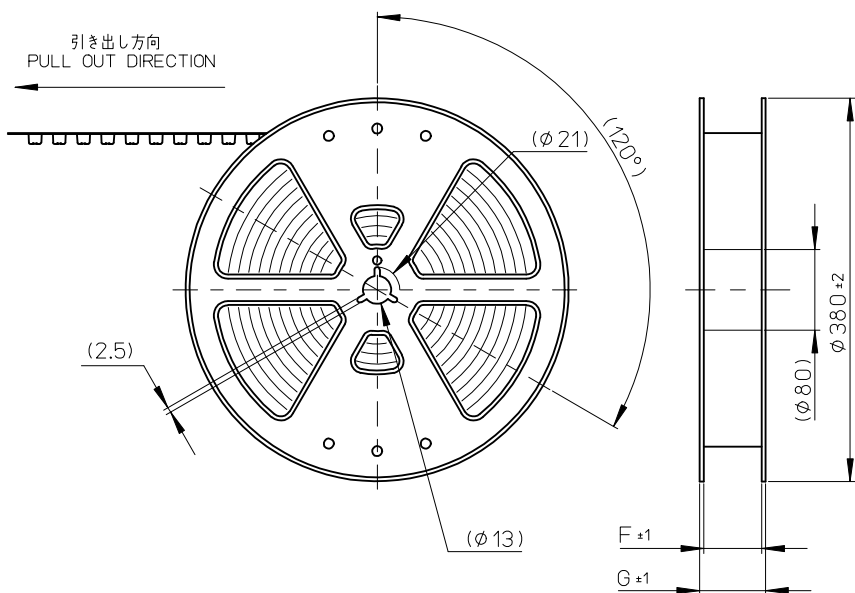
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注記)

## NOTES

- 1.製品番号502598-\*\*-21の詳細寸法は、製品単体図面を参照下さい。  
IN THE PACKAGE PART NUMBER 502598-\*\*-21 DETAIL DIMENSIONS,  
SEE SALES DRAWING FOR CONNECTOR.
- 2.梱包数量:3000個/リール  
NUMBER OF CONNECTORS : 3000 PCS/REEL
- 3.リードテープ長さ  
LEAD TAPE LENGTH



- 4.カバーテープの剥離強度については、IEC60286-3に準拠  
COVER TAPE PEEL FORCE IS DEFINED BY IEC 60286-3.

## 5.材料

## MATERIAL

キャリアテープ: ポリスチレン (PS)  
CARRIER TAPE: POLYSTYRENE (PS)  
トップテープ: ポリエチレンテレフタレート (PET)、他  
TOP TAPE : POLYETHYLENE TEREPHTHALATE (PET), OTHERS  
リール: ポリスチレン (PS)  
REEL: POLYSTYRENE (PS)

## 6.ELV及びRoHS適合品

ELV AND RoHS COMPLIANT

## 7.本製品は502598-\*\*-91の端子材料変更品である。

THIS PRODUCT IS CHANGE OF TERMINAL MATERIAL FOR 502598-\*\*-91.

|                                                                                                                  |                    |                                                                                                                                             |       |                            |                    |                                                                            |                        |                           |           |  |
|------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------|--------------------|----------------------------------------------------------------------------|------------------------|---------------------------|-----------|--|
| REVISED<br>EC NO: J2014-0146<br>DRWN:KNAGIMO 2013/07/25<br>CHKD:KTAKAHASHI 2013/08/30<br>APPR:YNOGAWA 2013/08/28 | DESCRIPTION<br>REV | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                    |       | DIMENSION STYLE<br>MM ONLY |                    | SCALE<br>---                                                               | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |           |  |
|                                                                                                                  |                    | 10 UNDER                                                                                                                                    | ± --- | DRAWN BY<br>KMIYAHARA      | DATE<br>2012/07/18 | TITLE<br>0.3 FPC CONN. BACK FLIP<br>TAPING PACKAGE<br>(502598-**21 SERIES) |                        |                           |           |  |
|                                                                                                                  |                    | 10 OVER 30 UNDER                                                                                                                            | ± --- | CHECKED BY<br>KTAKAHASHI   | DATE<br>2012/07/18 |                                                                            |                        |                           |           |  |
|                                                                                                                  |                    | 30 OVER                                                                                                                                     | ± --- | APPROVED BY<br>KMORIKAWA   | DATE<br>2012/08/01 |                                                                            |                        |                           |           |  |
|                                                                                                                  |                    | ANGULAR ±1 °                                                                                                                                |       | MATERIAL NO.               |                    | DOCUMENT NO.                                                               |                        |                           | SHEET NO. |  |
|                                                                                                                  |                    | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                  |       | SEE TABLE                  |                    | SD-502598-004                                                              |                        |                           | 1 OF 2    |  |
| B                                                                                                                | REV                | SIZE<br>A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |       |                            |                    |                                                                            |                        |                           |           |  |

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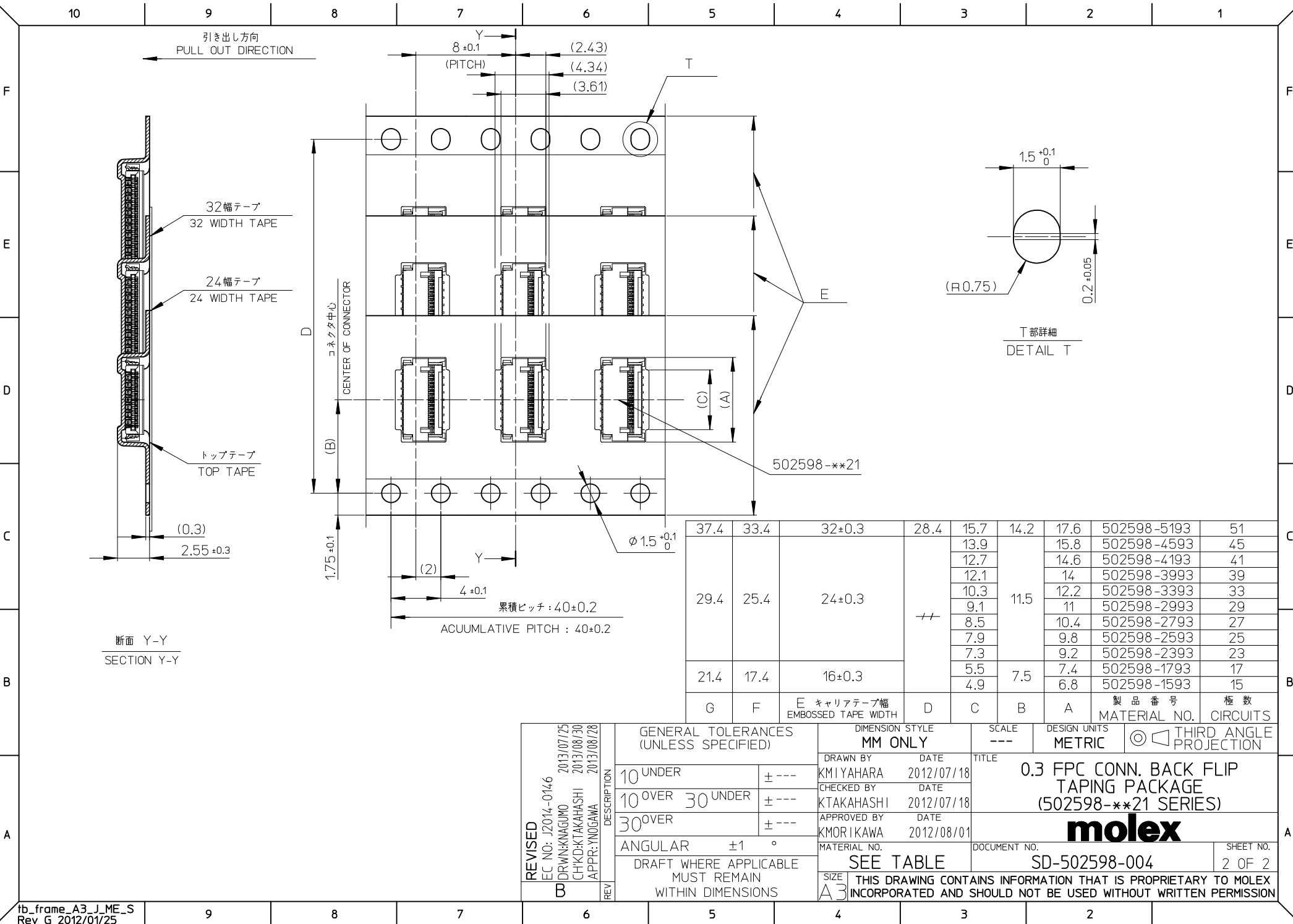
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|      |      |                                     |      |      |      |      |                         |                 |
|------|------|-------------------------------------|------|------|------|------|-------------------------|-----------------|
| 37.4 | 33.4 | 32±0.3                              | 28.4 | 15.7 | 14.2 | 17.6 | 502598-5193             | 51              |
| 29.4 | 25.4 | 24±0.3                              | ±±   | 13.9 | 11.5 | 15.8 | 502598-4593             | 45              |
|      |      |                                     |      | 12.7 |      | 14.6 | 502598-4193             | 41              |
|      |      |                                     |      | 12.1 |      | 14   | 502598-3993             | 39              |
|      |      |                                     |      | 10.3 |      | 12.2 | 502598-3393             | 33              |
|      |      |                                     |      | 9.1  |      | 11   | 502598-2993             | 29              |
|      |      |                                     |      | 8.5  |      | 10.4 | 502598-2793             | 27              |
|      |      |                                     |      | 7.9  |      | 9.8  | 502598-2593             | 25              |
|      |      |                                     |      | 7.3  |      | 9.2  | 502598-2393             | 23              |
| 21.4 | 17.4 | 16±0.3                              | ±±   | 5.5  | 7.5  | 7.4  | 502598-1793             | 17              |
| 4.9  | 6.8  | 502598-1593                         |      | 15   |      |      |                         |                 |
| G    | F    | E   キャリアテープ幅<br>EMBOSSED TAPE WIDTH | D    | C    | B    | A    | 製 品 番 号<br>MATERIAL NO. | 極 数<br>CIRCUITS |

|                                                                                                                           |                    |                                                            |       |                                                                                                                                          |                    |                                                                            |                        |                           |  |  |
|---------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------------------------------------------------------|------------------------|---------------------------|--|--|
| REVISED<br>EC NO: J2014-0146<br>2013/07/25<br>DRWN:KAGUMO<br>2013/08/30<br>CHKD:K TAKAHASHI<br>2013/08/28<br>APPR:YNOGAWA | DESCRIPTION<br>REV | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |       | DIMENSION STYLE<br>MM ONLY                                                                                                               |                    | SCALE<br>---                                                               | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  |  |
|                                                                                                                           |                    | 10 UNDER                                                   | ± --- | DRAWN BY<br>KMIYAHARA                                                                                                                    | DATE<br>2012/07/18 | TITLE<br>0.3 FPC CONN. BACK FLIP<br>TAPING PACKAGE<br>(502598-**21 SERIES) |                        |                           |  |  |
|                                                                                                                           |                    | 10 OVER 30 UNDER                                           | ± --- | CHECKED BY<br>KTAKAHASHI                                                                                                                 | DATE<br>2012/07/18 |                                                                            |                        |                           |  |  |
|                                                                                                                           |                    | 30 OVER                                                    | ± --- | APPROVED BY<br>KMORIKAWA                                                                                                                 | DATE<br>2012/08/01 |                                                                            |                        |                           |  |  |
|                                                                                                                           |                    | ANGULAR ±1 °                                               |       | MATERIAL NO.                                                                                                                             |                    | DOCUMENT NO.                                                               |                        | SHEET NO.                 |  |  |
|                                                                                                                           |                    | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | SEE TABLE                                                                                                                                |                    | SD-502598-004                                                              |                        | 2 OF 2                    |  |  |
|                                                                                                                           |                    | B                                                          |       | SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                                                                            |                        |                           |  |  |